

Figure 1

MRGPAVLLTV ALATLLAPGA GAPVQSQGSQ NKLLLVSFDG FRWNYDQDVD
TPNLDAMARD GVKARYMTPA FVTMTSPCHF TLVTGKYIEN HGVVHNMYYN
TTSKVKLPHY ATLGIQRWWD NGSPVIWITA QRQGLRAGSF FYPGGNVTYQ
GVAVTRSRKE GIAHNYKNET EWRANIDTVM AWFTEEDLDL VTLYFGEPDS
TGHRYGPESP ERREMVRQVD RTVGYLRESI ARNHLTDRLN LIITSDHGMT
TVDKRAGDLV EFKFPPNFTF RDIEFELLDY GPNMGMLLPKE GRLEKVYDAL
KDAHPKLHVY KKEAFPEAFH YANNPRVTPL LMYSDLGYVI HGRINVQFNN
GEHGFDNKDM DMKTIFRAVG PSFRAGLEVE PFESVHVYEL MCRLLGIVPE
ANDGHLATLL PMLHTESALP PDALLVADGP CLPSLSQAKG CMPLSPAAPT
PAWLLWCW

Figure 2

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10 20 30 40 50 60 70
 GTCCCATCTGGAAGGCCACCATGAGAGGCCGGCCCTCCCTCACTGTGGCTGGCCACGCCCTGGCTCCCGGGG
 M R G P A V L L T V A L A T L L A P G A
 80 90 100 110 120 130 140 150
 CCGGAGCACCGTACAAAGTCAGGGCTCCAGAACAGCTGCTCTGGTGTCTTCGACGGCTCCGCTGGAACTAGC
 G A P V Q S Q G S Q N K L L L V S F D G F R W N Y D
 160 170 180 190 200 210 220 230
 ACCAGGACGTGGACACCCCCAACCTGGACGCCATGGCCAGACGGGTGAAGGCACGCTACATGACCCCCGCCCTTG
 Q D V D T P N L D A M A R D G V K A R Y M T P A F V
 240 250 260 270 280 290 300 310
 TCACCATGACCAGCCCCCTGCCACTTCACCCCTGGTACCGGCAAATATATCGAGAACCAACGGGTGGTCACACATGT
 T M T S P C H F T L V T G K Y I E N H G V V H N M Y
 320 330 340 350 360 370 380 390
 ACTACAAACACCACCAAGCTGAAGCTGCCCTACCAACGCCACGCTGGCATCCAGAGGTGGTGGACAACGGCAGCG
 Y N T T S K V K L P Y H A T L G I Q R W W D N G S V
 400 410 420 430 440 450 460
 TGCCCATCTGGATCACAGCCCAGAGGCAGGGCTGAGGGCTGGCTCTCTTCTACCCGGCGGGAACGTACCTACC
 P I W I T A Q R Q G L R A G S F F Y P G G N V T Y Q
 470 480 490 500 510 520 530 540
 AAGGGGTGGCTGTGACGCCAGGCCGGAAAGAACGGCATCGCACACAACACTACAAAATGAGACGGAGTGGAGAGCGAAC
 G V A V T R S R K E G I A H N Y K N E T E W R A N I
 550 560 570 580 590 600 610 620
 TCGACACAGTGATGGCGTGGTCACAGAGGAGGACCTGGATCTGGTCACACTCTACTCGGGGAGCCGGACTCCACGG
 D T V M A W F T E E D L D L V T L Y F G E P D S T G
 630 640 650 660 670 680 690 700
 GCCACAGGTACGGCCCCGAGTCCCCGGAGAGGAGGGAGATGGTGCAGGTGGACCGTGGCTACCTCCGG
 H R Y G P E S P E R R E M V R Q V D R T V G Y L R E
 710 720 730 740 750 760 770 780
 AGAGCATCGCGCGAACCAACCTCACAGACCGCCTAACCTGATCATCACATCCGACCGCATGACGACCGTGGACA
 S I A R N H L T D R L N L I I T S D H G M T T V D K

Figure 3a

790 800 810 820 830 840 850
 AACGGGCTGGCACCTGGTGAATTCCACAAGTCCCCAACTTCACCTCCGGGACATCGAGTTGAGCTCCTGGACT
 R A G D L V E F H K F P N F T F R D I E F E L L D Y

 860 870 880 890 900 910 920 930
 ACGGACCAAACGGGATGCTGCCCTAAAGAAGGGAGGCTGGAGAAGGTGTACGATGCCCTAAGGACGCCACCCCA
 G P N G M L L P K E G R L E K V Y D A L K D A H P K

 940 950 960 970 980 990 1000 1010
 AGCTCCACGTCTACAAGAAGGGAGGCCTTCCCCGAGGCCCTCCACTACGCCAACAAACCCAGGGTCACACCCCTGCTGA
 L H V Y K K E A F P E A F H Y A N N N P R V T P L L M

 1020 1030 1040 1050 1060 1070 1080 1090
 TGTACAGCGACCTTGGCTACGTATCCATGGGAGAATTAAACGTCCAGTTCAACAATGGGGAGCACGGCTTGACAAACA
 Y S D L G Y V I H G R I N V Q F N N N G E H G F D N K

 1100 1110 1120 1130 1140 1150 1160 1170
 AGGACATGGACATGAAGACCATCTCCGGCTGTGGGCCCTAGCTTCAGGGCGGGCTGGAGGTGGAGGCCCTTTGAGA
 D M D M K T I F R A V G P S F R A G L E V E P F E S

 1180 1190 1200 1210 1220 1230 1240
 GCGTCCACGTGTACGAGCTCATGTGCCGGCTGCTGGGCATCGTGCCCGAGGCCAACGATGGGCACCTAGCTACTCTGC
 V H V Y E L M C R L L G I V P E A N D G H L A T L L

 1250 1260 1270 1280 1290 1300 1310 1320
 TGCCCATGCTGACACAGAACCTGCTCTCCGCTGATGCTCTGCTGGTCGGACGGACCCCTGCCCTCCCCAGCTTAT
 P M L H T E S A L P P D A L L V A D G P C L P S L S

 1330 1340 1350 1360 1370 1380 1390 1400
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 Q A R G C M P L S P A A P T P A W L L W C W

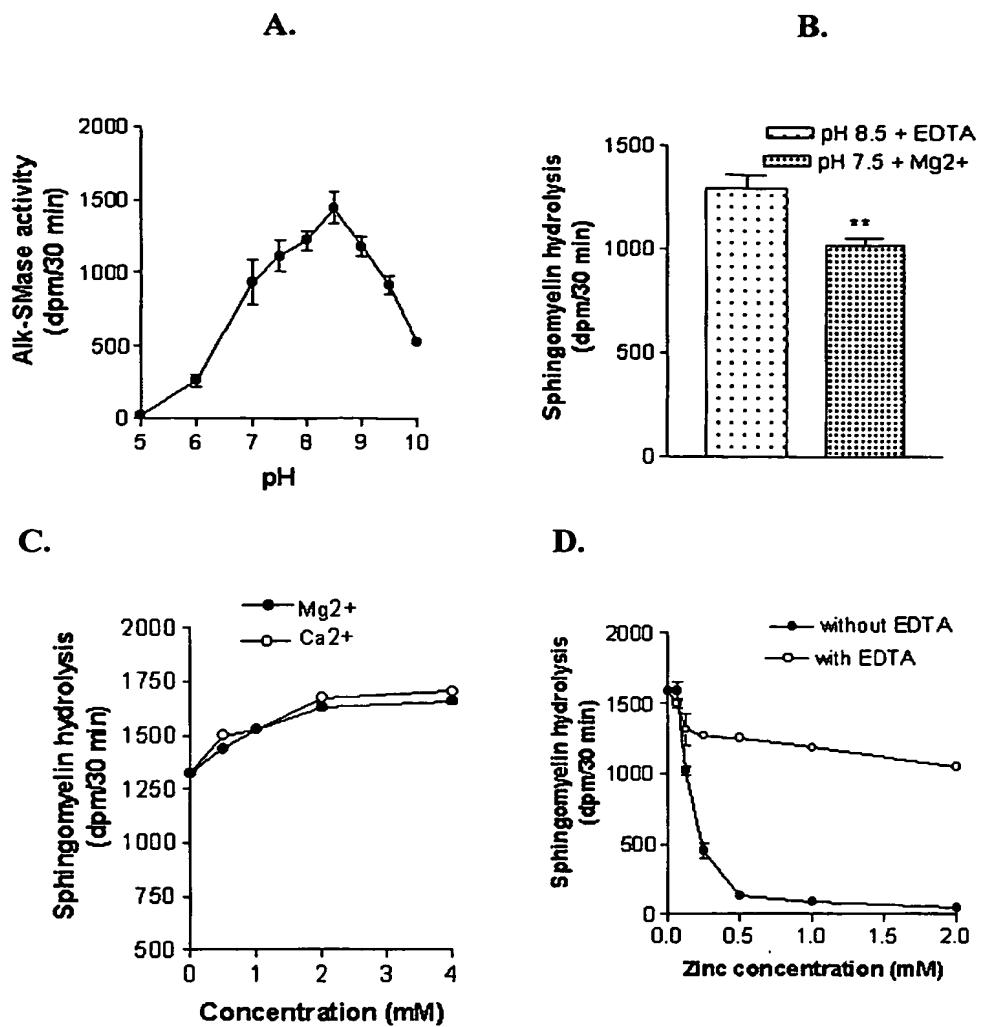
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 1490 1500 1510 1520 1530 1540 1550 1560
 TTCTGGGCCCCCTCCTGCAAAACCGCTCCGAAGCGCGCTGCCGTCTGCAGCCACGCCGGGGCGCGCGGGAGTC

 1570 1580 1590 1600 1610 1620 1630
 TTCTGGGCGCTGGAACCTGCAGACCCGGCTCGGTCAAGCTGGAGGGGCCGCCGGCACAAAGCACCCATGGGA

 1640 1650 1660 1670 1680 1690 1700
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Figure 3b

**Figure 4**

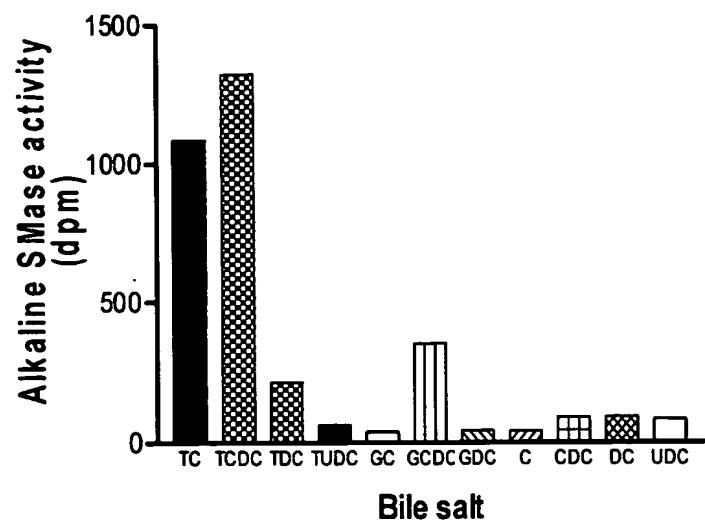


Figure 5

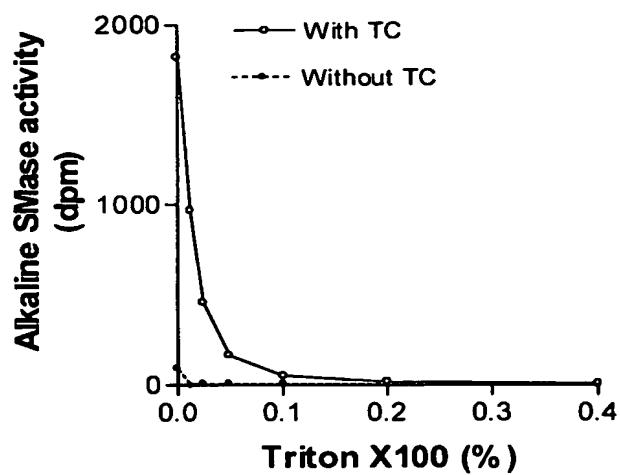


Figure 6

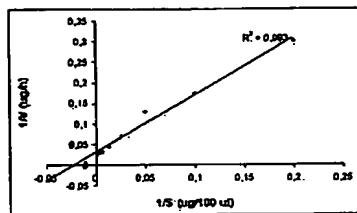
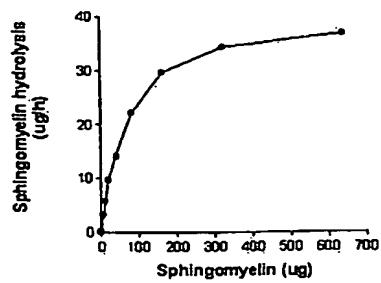


Figure 7

CTATTTAGGT GACACTATAG AACAAAGTTG TACAAAAAAG CAGGCTGGTA
CCGGTCCGGA ATTCCCCGGA TGTCCCATCTG GAAGGCCAG CATGAGAGGC
CCGGCCGTCC TCCTCACTGT GGCTCTGGCC ACGCTCCTGG CTCCCGGGGC
CGGAGCACCG GTACAAAGTC AGGGCTCCA GAACAAGCTG CTCCCTGGTGT
CCTTCGACGG CTCCGCTGG AACTACGACC AGGACGTGGA CACCCCCAAC
CTGGACGCCA TGCCCCGAGA CGGGGTGAAG GCACGCTACA TGACCCCCGC
CTTTGTCAAC ATGACCAAGCC CCTGCCACTT CACCCCTGGTC ACCGGCAAAT
ATATCGAGAA CCACGGGGTG GTTCACAACA TGTACTACAA CACCAACCAGC
AAGGTGAAGC TGCCCTACCA CGCCACGCTG GGCATCCAGA GGTGGTGGGA
CAACGGCAGC GTGCCCATCT GGATCACAGC CCAGAGGCAG GGCCTGAGGG
CTGGCTCTT CTCTACCCG GGCGGGAAACG TCACCTACCA AGGGGTGGCT
GTGACGCGGA GCCGGAAAGA AGGCATCGCA CACAACATACA AAAATGAGAC
GGAGTGGAGA CGCAACATCG ACACAGTGT GGCCTGGTTC ACAGAGGAGG
ACCTGGATCT GGTACACACTC TACTTCGGGG AGCCGGACTC CACGGGCCAC
AGGTACGGCC CCGAGTCCCC GGAGAGGAGG GAGATGGTGC GGCAGGTGGGA
CCGGACCGTG GGCTACCTCC GGGAGAGCAT CGCGCGCAAC CACCTCACAG
ACCGCCTCAA CCTGATCATC ACATCCGACC ACAGGATGAC GACCGTGGAC
AAACGGGCTG GCGACCTGGT TGAATTCCAC AAGTTCCCCA ACTTCACCTT
CCGGGACATC GAGTTTGAGC TCCTGGACTA CGGACCAAAC GGGATGCTGC
TCCCTAAAGA AGGGAGGCTG GAGAAGGTGT ACGATGCCCT CAAGGACGCC
CACCCCAAGC TCCACGTCTA CAAGAAGGAG GCGTTCCCCG AGGCCTTCCA
CTACGCCAAC AACCCCAGGG TCACACCCCT GCTGATGTAC AGCGACCTTG
GCTACGTAT CCATGGGAGA ATTAACGTCC AGTTCAACAA TGGGGAGCAC
GGCTTGACA ACAAGGACAT GGACATGAAG ACCATCTTCC GCGCTGTGGG
CCCTAGCTTC AGGGCGGGCC TGGAGGTGGA GCCCTTTGAG AGCGTCCACG
TGTACGAGCT CATGTGCCGG CTGCTGGCA TCGTGGCGA GGCAACAGAT
GGGCACCTAG CTACTCTGCT GCCCCATGCTG CACACAGAAAT CTGCTCTTCC
GCCTGATGCT CTGCTGGTGC CGGACGGACC CTGCTCCCC AGCTTATCCC
AGGCCAAAGG CTGCATGCCA CTGCCCCGG CAGCGCCAAC CCCTGCTTGG
CTGTTATGGT GCTGGTAATA AGCCTGCAGC CCAGGTCCAA AGCCCCCGGC
GAGCCGGTCC CATAACCGGC CCCCTGCCCC TGCCCCCTGCT CCTGCTCCTC
CCCTTGGGC CCCCTCCTCC TGCAAAACCC GCTCCCGAAG CGGCGCTGCC
GTCTGCAGCC ACGCGGGGGC GCGCGGGAGT CTTCTGCGGG CGCTGGAACC
TGCAGACCCG GCCTCGGTCA GCTGGGAGGG GCGCGCCCCG GCACAAAGCA
CCCATGGAA TAAAGGCCAA GCGCGACAG TCAGCAAAAA AAAAAAAAAA
AAAAAAAAAA AAAAAAAAAA AGGGCGGGCCG CTCTAGAGTA TCCCTCGAGG
GGCCCAAGCT TACGCGTACC CAGCTTCTT GTACAAAGTG GTCCCTATAG
TGAGTCGTAT TATAAGCTAG GCA

Figure 8

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Figure 9

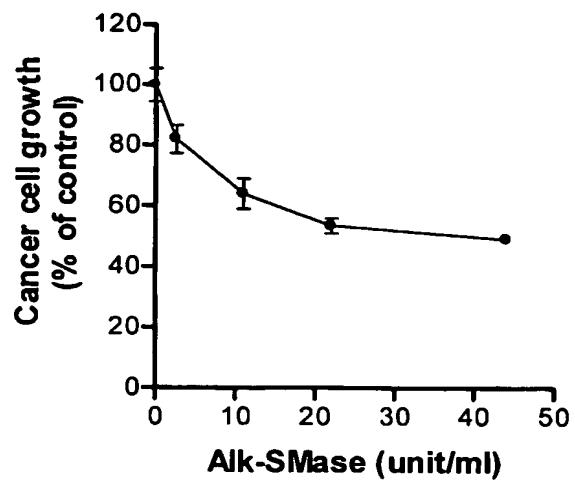


Figure 10

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NGSVPIWITA QRQGLRAGSF FYPGGNVTYQ GVAVTRSRKE GIAHNYKNET EWRANIDTVM 180
AWFTEEDLDL VTLYFGEPE DS TGHRYGPESP ERREMVRQVD RTVGYLRESI ARNHLTDRLN 240
LIITSDHGMT TVDKRAGDLV EFHKFPNFTF RDIEFELLDY GPNGMLLPKE GRLEKVYDAL 300
KDAHPKLHVY KKEAFPEAFH YANNPRVTPL LMYSDLGYVI HGRINVQFNN GEHGFDNKDM 360
DMKTIFRAVG PSFRAGLEVE PFESVHVYEL MCRLLGIVPE ANDGHLATLL PMLHTESALP 420
PDGRPTILLPK GRSALPPSSR PLLVMGLLGT VILLSEVA 458

Figure 11

GTCCATCTGG AAGGCCAGC ATGAGAGGCC CGGCCGTCT CCTCACTGTG 50
 GCTCTGGCCA CGCTCCTGGC TCCCGGGGCC GGAGCACCGG TACAAAGTCA 100
 GGGCTCCCAG AACAAAGCTGC TCCTGGTGTG CTTCGACGGC TTCCGCTGGA 150
 ACTACGACCA GGACGTGGAC ACCCCCAACC TGGACGCCAT GGCCCAGAGAC 200
 GGGGTGAAGG CACGCTACAT GACCCCCGCC TTTGTCACCA TGACCAGCCC 250
 CTGCCACTTC ACCCTGGTCA CCGGCAAATA TATCGAGAAC CACGGGGTGG 300
 TTCACAACAT GTACTACAAAC ACCACCAGCA AGGTGAAGCT GCCCTACCAC 350
 GCCACGCTGG GCATCCAGAG GTGGTGGGAC AACGGCAGCG TGCCCATCTG 400
 GATCACAGCC CAGAGGCAGG GCCTGAGGGC TGGCTCCTTC TTCTACCCGG 450
 GCGGGAACGT CACCTACCAA GGGGTGGCTG TGACGCAGGAG CCGGAAAGAA 500
 GGCATCGCAC ACAACTACAA AAATGAGACG GAGTGGAGAG CGAACATCGA 550
 CACAGTGATG GCGTGGTTCA CAGAGGGAGGA CCTGGATCTG GTCACACTCT 600
 ACTTCGGGGA GCCGGACTCC ACGGGCCACA GGTACGGCCC CGAGTCCCCG 650
 GAGAGGAGGG AGATGGTGGC GCAGGTGGAC CGGACCGTGG GCTACCTCCG 700
 GGAGAGCATC GCGCGCAACC ACCTCACAGA CCGCCTCAAC CTGATCATCA 750
 CATCCGACCA CGGCATGACG ACCGTGGACA AACGGGCTGG CGACCTGGTT 800
 GAATTCCACA AGTTCCCCAA CTTCACCTTC CGGGACATCG AGTTGAGCT 850
 CCTGGACTAC GGACCAAACG GGATGCTGCT CCTAAAGAA GGGAGGCTGG 900
 AGAAAnGTGTA CGATGCCCTC AAGGACGCC ACCCCAAAGCT CCACGTCTAC 950
 AAGAAGGAGG CGTTCCCCGA GCCCTTCCAC TACGCCAACA ACCCCAGGGT 1000
 CACACCCCTG CTGATGTACA GCGACCTTGG CTACGTCTAC CATGGGAGAA 1050
 TTAACGTCCA GTTCAACAAT GGGGAGCACG GCTTGACAA CAAGGACATG 1100
 GACATGAAGA CCATCTTCCG CGCTGTGGC CCTAGCTTC GGGCGGGCCT 1150
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 TGCTGGGCAT CGTCCCCGAG GCCAACGATG GGCACCTAGC TACTCTGCTG 1250
 CCCATGCTGC ACACAGAAC TGCTCTTCCG CCTGATGGAA GCCCTACTCT 1300
 CCTGCCAAG GGAAGATCTG CTCTCCCGCC CAGCAGCAGG CCCCTCCTCG 1350
 TGATGGGACT GCTGGGGACC GTGATTCTTC TGTCTGAGGT CGCATAACGC 1400
 CCCATGGCTC AAGGAAGCCG CCGGGAGCTG CCCGCAGGCC CTGGGCCGGC 1450
 TGTCTCGCTG CGATGCTCTG CTGGTCGCGG ACGGACCTG CCTCCCCAGC 1500
 TTATCCCAGG CCAGAGGCTG CATGCCACTG TCCCCGGCAG CGCCAACCCC 1550
 TGCTTGGCTG TTATGGTGCT GGTAAATAAGC CTCGCAGCCC AGGTCCAGAG 1600
 CCCCCGGCGA GCCGGTCCA TAACCGGCC CCTGCCCCCTG CCCCTGCTCC 1650
 TGCTCCTCCC CTTGGGCC CTCCTCCTG CAAAACCCGC TCCCGAAGCG 1700
 GCGCTGCCGT CTGCAGCCAC GCGGGGGCGC GCAGGGAGCTC TGCGGGCGCT 1750
 GGAACCTGCA GACCCGGCCT CGGTCAAGCTG GGAGGGGCC GCCCCGGCAC 1800
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 AAAAAAAAAAAAAAAAAAAAAAA

Figure 12

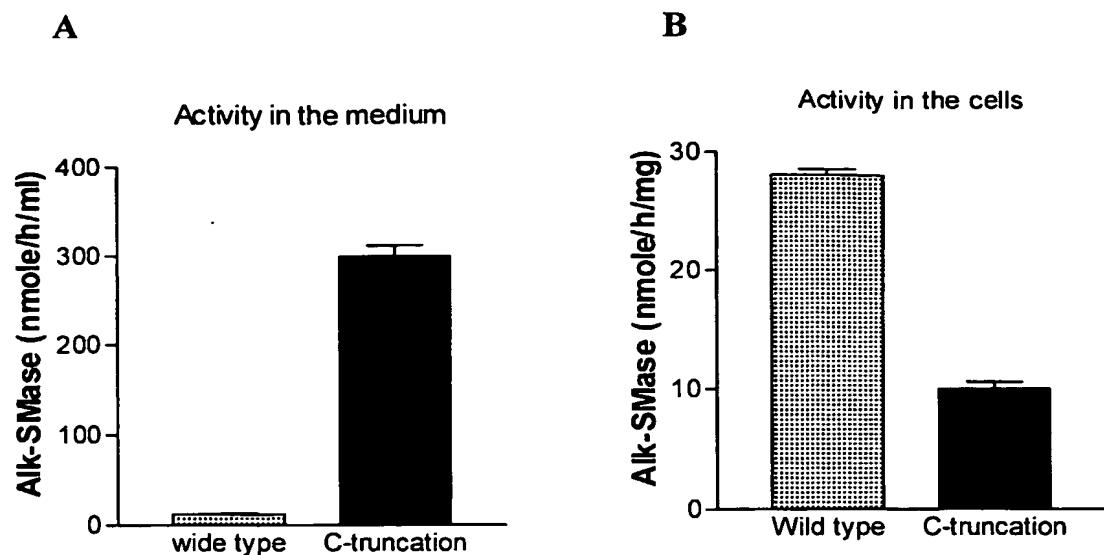


Figure 13